

On the Effect of Hydrogen on Strained Steel, by
G. V. Karpenko et al.

UKRAINEAN, par, Dopovidai Ak Nauk Ukraini RSR, No 1,
1958, pp 37-41.

Co-op Trans Sch 622

Sci - Physics
Mar 59

82,474

New High-Efficiency High-Pressure Centrifugal Fans
for Mines, by V. S. Pak, V. D. Senenanko, 5 pp.

RUSSIAN, per, Dopovidi Ak Nauk Ukrainian RSR, No 1,
1958, pp 41-44.

AEC Tr 3230

Sci - Engr
Jun 58

65,949

Polytropic Pressure of Air During Humidification
in Mine Shafts, by O. O. Kremnyov, 6 pp.

RUSSIAN, per, Dopovidi Ak Nauk Ukrainian SSR,
No 1, 1958, pp 45-48.

AEC Tr 3235

Sci - Physics
Jun 58

65,954

Migration of Tin in a Hypergenesis Zone, by
B. F. Mitakovich. USCL

RUSSIAN, per, Dopovidi Ak Nauk Ukrainskoy RSR,
No 2, 1950, pp 213-215.

DSIR LIU RTS 1076

Sci - Min/Mat
Jul 59

90,682

Representations of Groups of Order 2^m Over an
Arbitrary Field of Zero Characteristic, by
S. D. Berman, 4 pp.

UKRAINIAN, per, Dopovidi Akademii Nauk Ukrains'koi
SSR, No 3, 1958, pp 243-245.

NDF B-163
9092607

171, 288

Sci

Oct 61

Influence of the Black Alder on the Productivity of the Canadian Poplar, by G. I. Red'ko,
UKRAINIAN, per, Dopovidi Akademii Nauk Ukrainskoi RSR, No 3, 1958, pp 343-346.
CFSTI TT 66-51093

Sci-Agri
Oct 66

~~XXX~~ 313,073

Determining Boil. Density by Radioactive Isotopes, by
A. A. Ventsenko, 9 pp. ID 2124131

UKRAINIAN, per, Dopovidni Akademii Nauk Ukr, RSR,
No 4, 1958, Kiev, pp 372-375.

ACSI H-2481A

Sci - Physics

Apr 60

114,471

Stability of a Conic Shell of Circular Cross
Section Under the Simultaneous Action of Axial
Compression and Normal External Pressure, by
I. I. Ivakhnenko.

UKRAINIANS, pub, Dopovidni Akademii Nauk Ukr SSR,
No 4, 1958, Kiev, pp. 376-380.

ACSI E-2481

SCI - Physics

Apr 60

114472

1. Stability of a Conic Shell of Circular Cross Section Under the Simultaneous Action of Axial Compression and Normal External Pressure, by I. I. Ivakhmin; 2. Determining Soil Density by Radioactive Isotopes, by A. A. Vasilenko, 9 pp.

UKRAINIAN, per, ~~Dopovidi Ak Nauk UkrSR~~, No 4, 1958, pp 379-380.

ACSI, H-2481

Sci - Phys

101,250

Nov 59

On a Problem of Mass Services, by ~~XX~~ B. V.
Gnedenko.

^u
RUSSIAN, per, Dopovid, AN ^ukr. SSR, No 5,
1958, pp 477-478.

Morris D. Friedman

M. D. Friedman

Sci - Miscellaneous
Aug 58

68,919

Plastic Deformation in Sintering of Silver Powder
Bodies, by I. M. Fedorchenko, B. O. Andriyevskiy,
7 pp.

UKRAINIAN, per, Dopovidi Ak Ukraini SSR, No 5,
1958, pp 531-534.

AFIC MEL-365/III

Sci - Physics

135,626

Dec 60

A. Thermal Field in Thin Shells, by Ya. S. Pointriguch; B. Tension of a Warped Plate Weakened by a Hole With a Pressed-In Washer, by I. M. Pirogov, 7 pp.

UKRAINIAN, per, Dopovid Ak Nauk Ukrayins'koyi RSR, No 5, 1958, pp 505-507, 512-514.

ACBI, H-2480

Sci - Phys

Feb 59

81,520

Certain Characteristics of the Oscillatory Motion
of a System in Which Two Colliding Masses Have An
Elastic Connexion Between Them, by P. I. Galaka,
3 pp.

UKRAINIAN, per, Dopovidi Ak Nauk Ukrain SSSR,
No 7, 1958, pp 712-715. 9073505

DSI 639

Sci - Phys

OT/4236

135,597

Jan 161

CIA/FDD 2-753

Investigation of Zirconium Boride-Molybdenum
Alloys, by M. S. Kovalchenko, et al, 6 pp.

RUSSIAN, per, Dorovid Ak Nauk, USSR SSR, 1958,
No 7, pp 740-742. CIA 658052 9676349

ATTC F-TS-9301/V

Sci - Min/Met

NP

Oct 60

128,344

On the Asymptotic Solution of the Axisymmetric Deformation of a Conical Shell with Linearly Varying Thickness, by Yu. S. Korolevich, Ya. M. Grigorovich, 6 pp.

RUSSIAN, per. Dopovidi An Ukr SSR, No 8,
1958, pp 821-825.

CIA/FDD X-5154

Sci - Physics
Jun 63
GOV'T USE ONLY

234460

Magnetic Susceptibility of Solid Solutions of
Certain Metalline Compounds, by G. V. Samsonov,
V.S. Neshpor, N. S. Strel'mykova, 5 pp, UNCL.

RUSSIAN, per, Dopovidi Akademiya Nauk
Ukrayins'koyi RSR, No 8, Aug 1958, pp 838,
839.

ATIC P-TB-9904/V

Sci - Chem

Jul 59

91,187

On the Interaction of Chlorides of Hafnium,
Niobium and Tantalum With Phosphorus Oxychloride,
by V. A. Vovtovich, I. A. Sheks.

RUSSIAN, per, *no 8* Dopovidi Ak Nauk Ukr RSR, ~~Vol VIII~~,
1958, pp 849-852.

CCT-1736B

Sci - Chem
Dec 59

103,000

Alloys of the Boron Carbide-molybdenum
Disilicide System, by H. Samsonov.
RUSSIAN, per, Akademiya Nauk Ukrainskoi
SSR. Dopovidi, No 8, 1959, pp 856-868.
CSIRO/No. 7232

Sci -
Jul 67

334,346

R-940-N

A General Solution of the Problem ~~XX~~ in the Theory
of Elasticity When the Modulus is Variable,
by Yu. M. Shevchenko

RUSSIAN, per, Dopov Akad Nauk, URSR, No 10, 1958,
pp 1054-1057

*JPRS/US Army Ord Missile Comm.
Redstone Arsenal, Alabama

Sci -
June 62

Simultaneous Discharge of Cadmium and Nickel
Ions, by D. P. Zosimovich, N. Ye. Nechayeva,
5 pp.

RUSSIAN, per, Dopovidi Ak Nauk USSR, Kiev,
No 10, 1958, pp 1075-1077.

SLA

SLA 60-23935

Sci

203, 245

Jun 62

Kinetics and Mechanism of High Temperature Oxidation
of Tantalum in the Recrystallized and Cold Worked
Form, by V. O. Lavrenko, 7 pp.

RUSSIAN, per, Dopovidi Ak Nauk URSR, No 10, 1958,
pp 1079-1082. CIA 658053

ATTC F-TS-9954/V

Sci - Minerals/Metals

Oct 60

128,391

On the Asymptotic Expansion of the Solution of a
Boundary Problem of Diffraction Theory, by A. I.
Kochura, 5 pp.

UKRAINIAN, DER, Dopovidi AN UkrSSR, No 11, 1958,
pp 1157-1160.

MMF - K-192
FDD X-4489

Sci - Electronics

132,263

Nov 60

Kinetics and Mechanism of High-Temperature Oxidation
of Niobium in the Recrystallized and Cold-Worked
States, by V. O. Lavrenko, 8 pp.

UKRAINEAN,

CHERNOBYL, per, Dopevidi Ak Nauk Ukrain RSR, No 11,
1958, pp 1216-1220.

3
ATTC MCL-208/1

Sci - Chem

Dec 60

184,934

Diffusion of Silicon in Titanium, Tantalum,
Molybdenum and Iron, by G. V. Samsonov,
M. S. Koval'chenko, et al, 6 pp.

UKRAINIAN, per, ~~Dop Ak Nauk Ukrain RSR~~, No 1,
1959, pp 32-36. 9685490

FTD-TT-63-262

Sci-M/M

543,623

Aug 63

New Method of Manufacturing Pipes and Rods from
Powders of High-Melting Metals and their Compounds,
by G. V. Samschov, P. S. Kisliy, 5 pp. UNCL

UKRAINIAN, per, Dopovidi Ak Nauk SSSR, No 1, 1959,
pp 46-48.

ATIC MCL-146/V

Sci - Engr, Min/Mat

May 60

Telecom 41208

116,440

Steric Hindrance in Mesophenylpyridocarboyanines, by
A. I. Kipyranov, G. G. Dyadyusha, 7 pp.

RUSSIAN, per, Dopovidi Ak Nauk Ukrain RSR, No 1, 1959,
pp 1119-1125.

CIA/FID XX-1171
NOT RELEASABLE TO FOREIGN NATIONALS

Sci

198, 440

May 62

USCB INTERNAL USE ONLY

Concerning the Effect of Compressive Stresses on
Shrinkage in Sintering of Porous Bodies, by I. M.
Fedorchenko, R. O. Andrievskiy, 7 pp.

RUSSIAN, per, Dopovidi Ak Nauk Ukrain RSR, No 3,
1959, pp 281-285. 9660217

AMTC MCL 283

Sci

Nar 61

144, 218

Comparative Investigation of Various Methods of
Activated Sintering of Reduced Iron, by R. O.
Andriyevskiy, et. al. 6 pp.

RUSSIAN, per, Dneprovskiy Ak Nauk Ukrainskoy RSR,
No 4, 1959, pp 392-394. 9660723

ATTC MCL-261/III

Sci - Min/Met, Engr

149,696

Apr 61

Telecom 41583

61-27878

Belitser, V. A.
NUCLEOTIDE COMPOSITION OF HIGHLY-POLY-
MERIZED DESOXYRIBONUCLEIC ACID OF SOME IN-
SECTS. [1961] [4]p. 12 refs.
Order from OTS or SLA \$1.10

61-27878

Trans. of Akademiya Nauk URSR, Kiev. Dopovid;
1959, no. 5, p. 502-504.

DESCRIPTORS: *Nucleotides, *Nucleic acids, *Insects,
Polymers, Polymerization, Separation, Molecular
weight, Chemical analysis, Genetics, Mice.

A method is proposed for isolating from insects a highly
polymerized DNA (molecular weight 1.0×10^6) and this
DNA is chemically characterized. The nucleotide com-
position of DNA isolated from *Bombyx mori* L., *Anthe-
ra pernyi* G. M. and *Musca domestica* L. differs but
little from that isolated from mice. All the DNA's
studied belong to the AT-type. (Author)

I. Belitser, V. A.
II. Translations, New York

61-27878

(Biological Sciences--Bio-
chemistry, TT, v. 6, no. 10)

Office of Technical Services

On the Conductivity of Dispersed Mixtures with
Imperfect Contacts Among the Particles, by
V. V. Skorokhod, I. M. Fedorchenko.

RUSSIAN, per, M Dopovidi Ak Nauk NE Ukrain RSR,
No 7, 1959, pp 756-759.

HB 5774

OTS 62-15734
Sci-Materials & Metallurgy
July 63

235,776

Heat Exchange Between a Liquid and a Heat
Emitting Rod, by V. I. Merkulov, 10 pp.

RUSSIAN, per, Dopovidi Akademii Nauk Ukrain
RSE, No 9, 1959, pp 985-990. 9662498

ATIC MCL-727/1

Sci - Min/Metals

Jul 61

159,509

R-939-N

Investigation of the Stressed and Strained State
of Short Thick-walled Cylinders ~~XXXXXXXX~~ Subjected
to Axisymmetrical Loading With the Aid of Comput-
ers in the Case of Arbitrary..., by A. L. Kvitka

RUSSIAN, per, Dopov Akad Nauk Ukrain RSR, No 10,
1959, pp 1071-1076

*JPRS/US Army Ord Miss. Comd.
Redstone Arsenal, Alabama

Sci -
June 62

Kipriyanov, A. I. and Dyadyusha, G. G.
STERIC HINDRANCE IN MESOPHENYLPYRIDO-
CARBOCYANINES. 1961, 7p.
Order from CTT \$14.00

CTT-61C101

Trans. of ~~Academiye Nauk USSR~~ (Kiev). Dopovidn.
1959 [no. 10] p. 1119-1125.

DESCRIPTORS: *Stereochemistry, *Photographic
chemicals, Phenyl radicals, *Cyanines.

(Materials--Photographic, TT, v. 7, no. 12)

62-12977

- I. Kipriyanov, A. I.
- II. Dyadyusha, G. G.
- III. CTT-61C101
- IV. Columbia Technical
Translations, White
Plains, N. Y.

Office of Technical Services

18

(NY-4025)

Third Expanded Plenum of the Committee on
Meteorites of the Academy of Sciences Ukrainian
SSR, by K. M. Alekseyeva, 4 pp.

UKRAINIAN, per, Dopovid Ak Nauk Ukrain RSR, No 1,
Kiev, 1960, pp 122, 123.

JPRS 2770

Sci/Geophys

119,421

Jun 60

Effect of Initial Disturbances on the Development of Turbulent Stream Conditions in the Movement of Air Through Tubes, by
I. T. Shvets, Ye. P. Dyben, 8 pp.

RUSSIAN, per, Dopov Ak Nauk Ukrain RSR,
No 2, 1960, pp 173-176. 9676146

Sci

FTD-TP-61-68

Sci .. Phys

189, 773

5 Apr 62

17

(IM-4302)

In the Presidium of the Academy of Sciences of
the Ukrainian SSR, 9 pp.

UKRAINIAN, per, Dopovidi Ak Nauk Ukraini'noi
RSR, No 2, Kiev, 1960, pp 232-234.

JPRS 5256

Sci - Misc

Aug 60

/23,020

17

(NY-4322)

Third Conference on Problems of Phytoncides,
by S. I. Zelapulha, 9 pp.

UKRAINIAN, per, Dopovidi Ak Nauk Ukrain RSR,
No 2, Kiev, 1960, pp 235-237.

JPRS 5254

Sci - Biology

Aug 60

122,972

(DC-4504)

On the Confirmation of Research Topic Plans and
the Introduction Plan for Institutions of the
Department of Biological, Chemical and
Geological, Physicomathematical and Technical
Sciences of the Ukrainian Academy of Sciences
for 1960, 11 pp.

RUSSIAN, per, Dopovidi Ak Nauk Ukrain RSR,
No 3, 1960, pp 380-385.

JPRS 6374

134,478

Sci - Misc
Doc 60

4364
(DC-~~SECRET~~)

On the Further Development of Powder Metallurgy in
the Ukraine, 1 p.

RUSSIAN, per, Dopovidi Ak Nauk Ukrain RSR, No 3, 1960,
pp 335, 336.

JPRS 6374

OTS 61-11550

Sci - Misc

Dec 60

(DC-4504)

Concerning Courses for the Development of
Prospecting Geophysics in the Soviet Union, by
T. S. Lebediev, Z. O. Kurtykova'ka, 9 pp.

RUSSIAN, per, Dopovid Ak Nauk Ukrain RSR, No 3,
1960, pp 387-391.

JPRS 6374

Sci - Misc

Dec 60

134,479

Research and Introduction Plans of Institutions
of the Department of Technical Sciences of the
Academy of Sciences Ukrainian SSR for 1960, 3 pp.

RUSSIAN, per, Dopovid1 Ak Nauk Ukrain RSR, No 4,
1960, pp 547, 548.

JPRS 6204

3

Sci - Misc

Nov 60

133,504

GENERALIZATION OF CERTAIN CRITERIA TO VERIFY INTER-
PRETATIONS OF GRAVITATIONAL ANOMALIES, BY E. G. BULAKH,
4 PP.

RUSSIAN, PER, DOPOVIDI AK NAUK UKRAIN RSR, NO 5,
1960, PP630-633. 9670209

FTD-TT-62-650

SCI - GEOPHYS
11 OCT 62

212,339

HEAT TRANSFER OF THIN STRIPS OF SMALL DIMENSIONS AT
TRANSVERSE FLOW OF AIR, BY O. O. KREMNYOV,
M. T. KUKHNENKO, 5 PP.

RUSSIAN, PER, DOPOVIDI AK NAUK UKRAIN RSR, NO 5,
1960, PP 642-645. ~~8678209~~ 9678209

FTD-TT-62-650

SCI - PHYS
11 OCT 62

212,340

(NY-5044)

Report on the General Assembly of the Ukrainian
Academy of Sciences, 41 pp.

UKRAINIAN, per, Dopovidi Ak Nauk Uk RSR, No 6,
1960, pp 840-857.

JPRS 7246

Sci - Misc

136,992

Jan 61

NTC

DOPOVIDI AKADEMII NAUK UKHAYINSKOI RSR
1960 N7 P926-927 AD-693 006 <=>

Study of the Electrization and Rheological
Properties of Na Lubricant (Konstalin), by
Yu. F. Deynaga, A. V. Dumens'kiy. 4 pp.
UKRAINIAN, per, AN UKRUSR. Dopovid., No 7,
1960, pp 926-927.

AIR/ETD/HT-23-224-68

sci/ materials

oct 69

393,074

Investigating the Electrization and Flow Properties
of a Na-lubricant, by Yu. F. Deynaga &
A. V. Dumas'kiy.
RUSSIAN, per, Dopovidi Akad. Nauk Ukr. RST.,
No 7, 1960, pp 928-929.
*FTD-HT-23-224-68

Sci/Mat
Mar 68

(SF-1647)

The News of the Praesidium of the Academy of Sciences
of the Ukrainian Socialist Soviet Republic, 10 pp.

RUSSIAN, per, ~~Dopovid~~ Akademi Nauk Ukrayns'koy
RSR, No 7, 1960, pp 984-988.

JPRS 4733

Sci - Misc.

Jul 61

159,200

(SF-1647)

The First All-Republic Scientific Technical Conference
on the Problems of the Use of Plastics in Machine and
Tool Construction, by V. F. Yatsenko, 8 pp.

RUSSIAN, per, Dopolnye Akademiy Nauk Ukrain'skoy
SSR, No 7, 1960, pp 989-993.

JPRS 4733

Sci - Misc.

Jul 61

159,201

(SF-1647)

Coordinating Council on the Problems of Diversified
Exploitation of Fuel and Energetic Resources of the
Ukrainian SSR, by Ch. Meitin, 3 pp.

RUSSIAN, per, Dopovide Akademiy Nauk Ukrayn'skoy
RSR, No 7, 1960, pp 993-995.

JPRS 4733

Sci - Misc.

159,202

Jul 61

(NW-6050)

In the Presidium of the Academy of Sciences USSR,
16 pp.

RUSSTAN, per, Dopovid1 Ak Nauk Ukrain RSR, No 8,
1960, pp 1124-1129.

JPRS 9199

Sci - Misc

Jun 61

153,747

(NY-6050).

Scientific Contacts of the Odessa Biological Station
of the Academy of Sciences Ukrainian SSR with Foreign
Researchers, by K. O. Vinogradov, 3pp.

UKRAINIAN, per, Dopovidi Akademii Nauk Ukrain's'koi
RSR, No 8, 1960, pp 1130-1131.

*JPRS 9/99

Sci - Misc

15 Mar 61

(W-6050)

Second Congress of the Ukrainian Botanical
Society, by A. I. Em Barbarych, 7 pp.

RUSSIAN, per, Dopovidi Ak Nauk Ukrain RSR, No 8,
1960, pp 1132-1134.

JPRS 9199

Sci - Misc

Jun 61

153,749

(NY-6050).

Scientific Seminar on the Theory of Compressing and
Sintering Metalloceramic Alloys, by O. I. Raychenko,
2 pp.

UKRAINIAN, per, Dopovidi Akademii Nauk Ukrains'koi
RSR, No 8, 1960, ~~pp~~ p 1135.

*JPRS 9193

Sci - Misc

15 Mar 61

On the Theory of Crack Propagation in Deformation
of a Brittle Body, by **Dr V. V. Panasyuk**, 5 pp.
UNCL

UKRAINIAN, per, **Dopovid1 Ak Nauk: Ukrain SSR**,
No 9, 1960, pp 1185-1189.

ABSI H-8389
ID 2161159

Sci - Phys
Mar 61

143,728

On the Question of Origination of
Necrystallization Centers, by
V. N. Danilov, 6 pp.
UKRAINIAN, per, Dopovidi Ak Nauk SSSR,
No 9, 1960, pp 1236-1240. 9698390
FTD-TT-65-10

Sci - M/M
Oct 65

290,125

(DC-588)

"In the Presidium of the Academy of Sciences USSR,"
(~~Unpublished~~)

~~UKRAINIAN~~
Ukrainian, Per., ~~Dopovid~~ Akademi Nauk Ukrain's'koi
RSR, No 9, Kiev, 1960, pp 1297-1299

*JPRS

Sci/Misc
May 61

(—) 72-5881

"Scientific and Technical Conference on the
Problems of Safeguarding Reservoirs and Improving
Water Quality," by O. V. Sotnikova.

Ukrainian, Per., Dopovidi Akademii Nauk Ukrain's'koi
RSR, No 9, Kiev, 1960, pp 1300-1302

*JPRS

Sci/Misc *Biology*
May 61

DC-5881 ()

"Scientific and Technical Conference on the
Task of the Complex Utilization of Coking Gas,"
by Ch. M. Meytina.

Ukrainian, Per., Dopovidi Akademii Nauk Ukrain's'koi
RSR, No 9, Kiev, 1960, pp 1302-1304

*JPRS

Sci/Misc Fuels
May 61

DC-5881()

"Coordination Conference on the Problems of the
Physical Bases of Strength and Plasticity," by
L. V. Kolesov.

Ukrainian, Per., Dopovidi Akademii Nauk Ukrains'koi
RSR, No 9, Kiev, 1960, pp 1304-1306.

*JPRS

Sci/Misc
May 61

Engng./Physics

Effect of a Reinforcing Ring on the
Stresses in a Cylindrical Shell With a
Circular Hole, by N. P. Fleishman, 5 pp.
UKRAINIAN, per, Dopovidi AK Nauk URSR, No A10,
1960.
Dept of Navy Tr 4588/DTMB Tr 310

Sci-Engr
May 66

299,653

The Calculation of Anomalies V_{xz} of Three-
Dimensional Bodies with a Palette of a
Two-dimensional Body, by Ye. A. Yun'kov.
RUSSIAN, per, Dopovidi Ak Nauk Ukrain's RSR,
No 10, 1960, pp 1224-1226.
Dept of Navy Tr 4541/NOO Tr 283

Sci - Eng
Mar 66

297,791

The Calculations of the Anomalies of V,
for Three-Dimensional Bodies by a Palette
of a Two-Dimensional Body, by A. A. Yun'kov.
RUSSIAN, per, Dopovidi Ak Nauk Ukrain RSR,
No 10, 1960, pp 1393-1395.
Dept of Navy Tr 4540/NOO Tr 282

Sci - Eng
Mar 66

297,790

62-18645

Lesnik, A. G. and Skvorchuk, V. P.
APPLICATION OF THE THEORY OF REGULAR
SOLUTIONS TO THE ANALYSIS OF ALPHA $\rightarrow$ GAMMA
EQUILIBRIUM CURVES AND FUSIBILITY CURVES OF
IRON-ALUMINIUM, IRON-VANADIUM AND IRON
MOLYBDENUM SYSTEMS. [1962] 8p. 11 refs.
Order from OTS or SLA \$1.10 62-18645

I. Lesnik, A. G.
II. Skvorchuk, V. P.

Trans. of Akademiya Nauk URSR [Kiev] Dopovid.
1960, no. 10, p. 1408-1412.

DESCRIPTORS: *Iron alloys, *Molybdenum alloys,
*Vanadium alloys, *Aluminum alloys, Phase studies,
Thermodynamics, Numerical analysis.

(Physics--Solid State, TT, v. 10, no. 1)

Office of Technical Services

Application of the Initial Functions Method to
Determine Natural Oscillation Frequencies of
Rectangular Plates, by N. O. Ventsel', V. A. Agar'ov,
9 pp.

UKRAINIAN, per; Aktsuk Ukrayins'koyi RSR, Dopovid,
No 11, 1960, pp 1485-1491. 9609811

FTD-TT-63-740

Sci - Physics
Jan 64

246.235

On the Graphitization of Chromium-
Alloyed White Iron, by I. G. Kheifets.

RUSSIAN, per, Dopovidi Ak Nauk Ukrain
RSR, 1961, 760 2.

HB 5411

Sci - Min/Met

Jan 62

178,314

Carbide Phase in High-Silicon Cast Iron, by Ya. N.
Malinovichka, G. Z. Koval'chuk.

UKRAINIAN, per, Dopovidi Akademii Nauk Ukrain's'koi
RSR, No 1, 1961, pp 25-28.

HB 5123

Sci - Chem

Apr 61

147,428

At the Presidium of the Academy of Sciences, Ukrainian
SSR, 5 pp.

RUSSIAN, per, Dopovidi Ak Nauk Ukrains'koy SSR, No 1,
1961, pp 120-122.

JPRS 10400

Sci - Misc.

172,018

Oct 61

Ya. S. ^{Rot}Podstryga ^{Rotstrigach}

Differential equations of the problem of thermo
diffusion in a rigid deformed isotropic solid. 6 pp
RUSSIAN, Dopovidi Akad. Nauk URSS, No 2, I pp 169-172
1961

NASA TT F 14,572

sept 72

Effect of Plastic Tension on the Fatigue Limit of
Heat Resistant Alloys, by M. I. Chernyak.

UKRAINIAN, par, Dopovidi Akademii Nauk Ukrain's'koi
RSR, No 2, 1961, pp 173, 174.

HB 5059

Sci - Min/Mat

Apr 61

147,459

Inoculation of Magnesium Cast Iron [To Minimize
Chill], by A. V. Chornovol.

RUSSIAN, per, ~~Dopovid Ak Nauk Ukrainian RSR~~,
No 2, 1961, pp 183-187.

HB 5197

Sci - Chem

164, 332

Aug 61

(NY-6503)

In the Presidium of the Academy of Sciences
USSR, 10 pp.

RUSSIAN, per, Dopovidi Ak Nauk Ukrayins'koyi
USSR, No 2, 1961, pp 251-255.

JPRS 9874

Sci - Misc

166,351

Sep 61

(NY-6503)

Third Ukrainian Scientific Conference of
Parasitologists, by L. P. Pogrebniuk, 5 pp.

RUSSIAN, per, Dopovidi Ak Nauk Ukrayins'koyi
RSR, No 2, 1961, pp 256-258.

JERS 9875

Sci. + Med
Sep 61

167,009

Flow Distribution in a Hollow Apparatus Having
Different Types of Gas Inlets, by I. M. Khanin,
S. M. Ivanov, M. B. Kartsinel, 7 pp.

RUSSIAN, per, Dopovidi Ak Nauk Ukrain SSR, No 3,
1961, pp 316-320. 9098298

3
AEC Tr-4998

191, 279

Sci - Phys
Apr 62

Nondestructive Testing of Heat Treatment of
Surface Zone of Machine Components, by
B. D. Grozin, A. D. Yaroshek.

RUSSIAN, per, Dopovidi Ak Nauk Ukrain
RSR, No 3, 1961, pp 321-324.

HB 5198

Sci - Engr
Dec 61

175, 015

On the Role of Hydrogen in Corrosion Fatigue Failure of
Steel, by R. I. Krip'yakevich, et al.

RUSSIAN, per, Dopovidi Ak Nauk Ukrainian RSR,
No 3, 1961, pp 325-327.

HB 5199

Sci - Min/Metals

Aug 61

164, 335

Pavlenko, I. G.
DE LA RÉVERSIBILITÉ DANS LES PROCESSUS DE
RÉDUCTION ÉLECTROLYTIQUE DE L'OXYGÈNE
(Reversibility in Processes of the Electrical Reduc-
tion of Oxygen). 16p. (foreign text included) 11 refs.
FR-3155 (text in French).
Order from OTS or ETC \$1.85 62-26303

Trans. in French of Akademiya Nauk URSR [Kiev].
Dopovidi, 1961, no. 3, p. 353-358.

DESCRIPTORS: *Oxygen, *Electrolysis, *Reduction,
Silver electrodes, Copper electrodes, Mercury elec-
trodes.

(Chemistry--Physical, TT, v. 9, no. 8)

62-26303

I. Pavlenko, I. G.
II. FR-3155
III. Centre National de la
Recherche Scientifique
(France)

Office of Technical Services

Topchieva, N.V.
RÉGULATION DU PROCESSUS DE PRISE ET DE DUR-
CISSEMENT DES MORTIERS DE PLÂTRE PAR LA
MÉTHODE DE GÂCHAGE EN DEUX TEMPS (Regulyu-
vannya Protsesov Tuzhavlennyya i Tverdinnya Gipsovikh
Rozchiniv Metodom Dvostupinchastogo Zatvorinnya)
(Regulation of the Process of Setting and Hardening of
Plaster Mortar by the Method of Two-Stage Solution).
13p. (foreign text included) 5 refs. CNRS-XXV 627.
Order from OTS, ETC or CNRS \$0.80 TT-62-28595

Trans. in French of Akademiya Nauk URSR, Kiev.
Dopovid, 1961, no. 3, p. 363-366.

DESCRIPTORS: *Calcium compounds, Oxides, *Hydrox-
ides, Hardening, Water, Colloids.

(Materials--Ceramics, TT, v. 11, no. 8)

TT- 62-28595

- I. Topchieva, N.V.
- II. CNRS-XXV 627
- III. Centre National de la Recher-
che Scientifique, Paris

Office of Technical Services
European Translations Centre

(SF-1878)

Approval of Plans for Scientific Research to be
Carried Out at The Institutions of the Department of
Social Sciences, 3 pp.

RUSSIAN, per, Dopovidi Akademiy Nauk Ukrains'koy RSI
No 3, 1961, pp 396-397.

JPRS 10602

USSR

174,080

Pol

Effect of Additional Alloying of Silicon-Manganese
Constructional Steel on the Austenite Transformation
by M. P. Braun.

UKRAINIAN, per, Dopovidi Akademii Nauk Ukrain's'koi
RSE, No 4, 1961, pp 335-339.

HB 5128

Sci - Min/Met

Jul 61

162,749

(SF-2121)

On the Stability of Computational Algorithms
of the Approximate Solution of Boundary Prob-
lems for Differential Equations by the Method
of Finite Differences, by Y. Z. Shtokalo,
6 pp.

RUSSIAN, par, Dopovidi Ak N uk Ukrain
RSR, No 4, 1961, pp 415-419.

JPRS 13249

Sci - Phys
Apr 62

189,866

(WYSF-2121)

A New Method for Investigating Nonlinear Differential Equations Based on the Theory of Moments, by Y. Z. Shtokalo, 6 pp.

RUSSIAN, per, Dopovidi Ak Nauk Ukrain
RSR, No 4, 1961, pp 429-433.

JPRS 13249

Sci - Phys
Apr 62

189.867

(SF-2121)

Extension of the Criterion of Absolute Invariance
to Objects With Variable Parameters, by
G. M. Savin, 3 pp.

RUSSIAN, per, Dopovidi Ak Nauk Ukrain
RSR, No 4, 1961, pp 434-436.

JPRS 13249

Sci - Phys
Apr 62

189, 860

(NY-6584/1)

The Spectrum of the Discrete Cosmic Radio
Emissions of Cassiopeia-A At Frequencies
Below 30 MC, by S. Ya. Braude, A. V. Men',
I. M. Zhuk, et al, 6 pp.

RUSSIAN, per, Dopovidi Ak Nauk Ukrayin'skoyi
RSR, No 4, 1961, pp 469-472.

JPRS 9918

Sci - Astron
Aug 61

164,379

On the Sintering of Two-Phase Powder Systems,
by V. V. Skorokhod, I. M. Fedorchenko.
RUSSIAN, per, Dopovidi Akad. Nauk UKRSR,
No 4, 1961, pp 486-489.
HB 4555

USSR
Sci/ISSN
Jan 66

294,664

CHANGES IN VOLUME AND STRUCTURE OF STEEL DURING
REPEATED GRAPHITIZATION ANNEALS, BY O. O. BARANOV,
M. I. PRITOMANOVA.

RUSSIAN, PER, DOPOVIDI AK NAUK UKRSR, NO 4, 1961,
PP 490-494.

HB 5 4335

SCI - MIN/MET
OCT 62

212,098

(NY-6584/2)

Decisions of the Presidium of the Academy of
Sciences of the Ukrainian SSR Regarding Plans
For Scientific Activity in the Year 1961,
9 pp.

RUSSIAN, per, Dopolvidi Ak Nauk Ukrain's'koyi
RSR, No 4, 1961, pp 538-541.

JPRS 9943

Sci - Misc
Sep 61

167,015

(SF-1873)

Opening Address of the General Meeting of the
Academy of Sciences Ukrainian SSR, by A. V.
Palladin, 6 pp.

RUSSIAN, per, Dopovidi Ak Nauk Ukrayins'koyi RSR, No 5,
1961, pp 554-557.

JPRS 11752

Sci - Misc.

Jan 62

178, 123

(SF-1078)

Election of Full and Corresponding Members to the
Academy of Sciences of the Ukrainian SSR, 12 pp. *by*
Z. M. Sharov.

RUSSIAN, per, Dopovid. Ak Nauk Ukrayins'koyi RSR,
No 5, 1961, pp 582-589.

JPRS 11749
JPRS 11960

USSR

Biog

Jan 62

178,830

On Binary Codes for Real Systems, by G. G.
Lyubchenko, 7 pp.

UKRAINIAN, per, Dopovidi Ak Nauk Ukrains'koy RSR,
No 5, 1961, pp 604-607.

CIA/FDD X-4810

Sci - Math

Mar 62

183,263

(11-0)027

Conditions of Invariability for Linear Systems
With Variable Parameters, by O. I. Kukhtenko,
B. M. Shuman, 4 pp.

UKRAINIAN
RUSSIAN, per, Dokividi Ak Nauk Ukrayins'koyi
RSR, No 5, 1961, pp 608-610.

JPRS 9988

Sci - Math

169,189

Sep 61

(SR-106)

Meeting of the Departments of the Academy of
Sciences of the USSR, 11 pp.

RUSSIAN, per, Dopolvidi Akademii Nauk Ukrainskoy SSR,
No 6, 1961, pp 699-707.

JPRS 11103

Sci -- Misc.

176, 016

Dec 61

(DC-6540)

MOMENT METHOD IN THE THEORY OF NONLINEAR
DIFFERENTIAL EQUATIONS, BY M. I. GAVRILOV,
7 PP.

RUSSIAN, PER, DOPOVIDI AK NAUK UKRAYINS'KOY
RSR, NO 6, 1961, PP 709-712.

JPRS 12544

SCI
MAR 62 PHYS

183,314

1-AN

Effect of Size Ratio of Phase Particles
Upon Sintering of Two-Phase (Powder)
Mixtures, by V. V. Skorokhod,
I. M. Fedorchenko.
RUSSIAN, per, Dopovidi Akad. Nauk USSR,
No 6, 1961, pp 745-748.
AB 5773

Sci/SGM
Nov 65

292,087

Calculation of Heat-Transfer Processes in
the Fluid-Bed Reduction of Iron Ores,
by O. S. Nishiporenko.

RUSSIAN, per, Dopolvidi Akad. Nauk Ukrain,
NER, No 6, 1961, pp 749-752.

HB 5212

Sci - Min/Met
Jun 62

199, 410